

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 5378 - L2 Version 002  
Chandra X-Ray Center

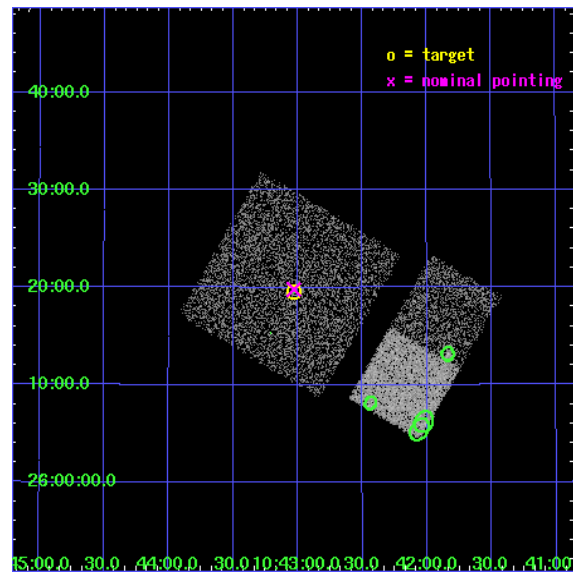
L2 Processing Date: Feb 21 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

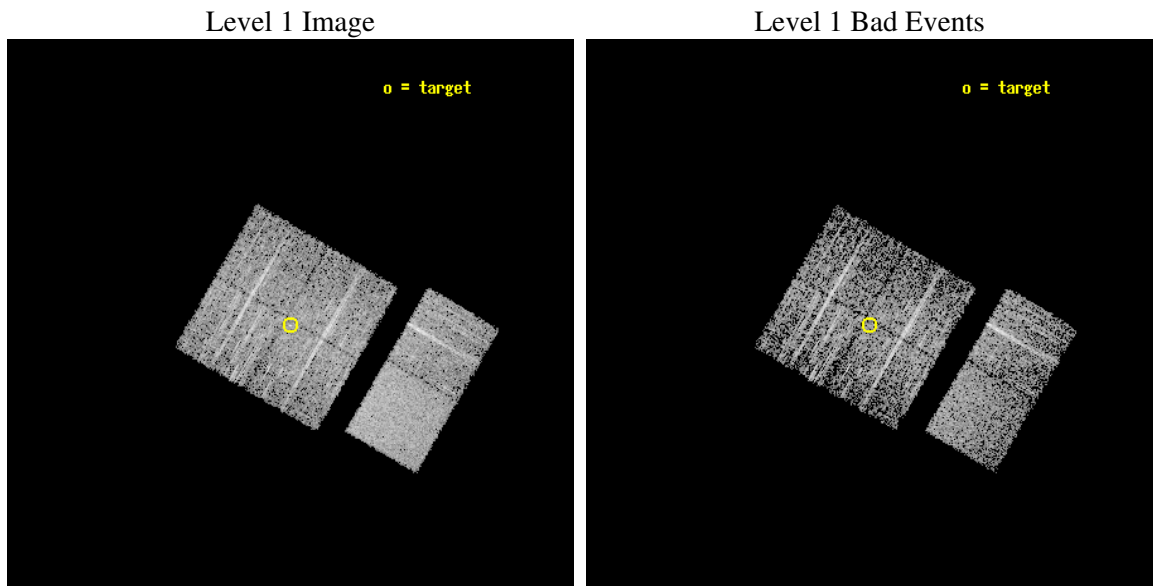
seq_num	200313
obs_id	5378
title	Search for beta Pic analogs
observer	Prof. Gordon Garmire
object	40 LMi
dtcycle	0
cycle	P
ra_targ	160.758333
dec_targ	26.325556
ra_nom	160.75766816814
dec_nom	26.330036994792
roll_nom	120.27575743759
revision	2
ontime	2959.9999889731
livetime	2922.5186868147
ontime0	2959.9999889731
ontime1	2959.9999889731
ontime2	2959.9999889731
ontime3	2959.9999889731
ontime6	2959.9999889731
ontime7	2959.9999889731
l2events	21863



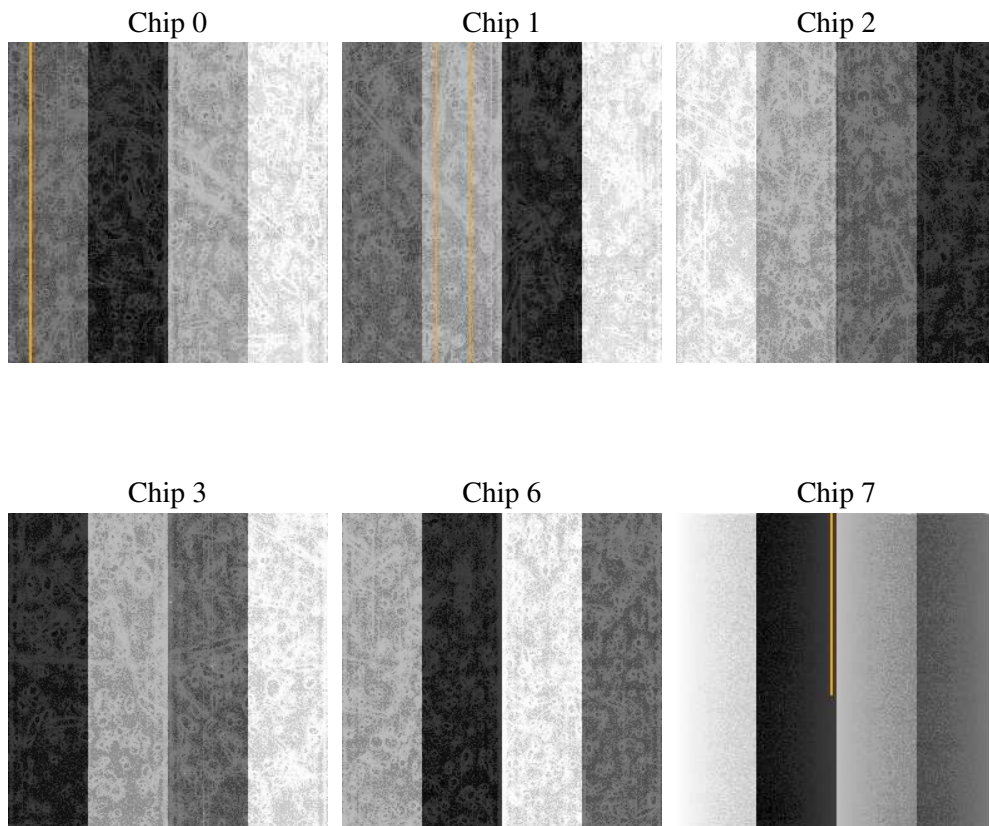
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-02-22T01:49:06
revision	2

sched_exp_time	3000.000000
ontime	2965.5271442533
ontime0	2965.5271243453
ontime1	2965.5271442533
ontime2	2965.5271243453
ontime3	2965.5271442533
ontime6	2965.5271442533
ontime7	2965.5271442533
l1events	130766

### 2.1.4 Events

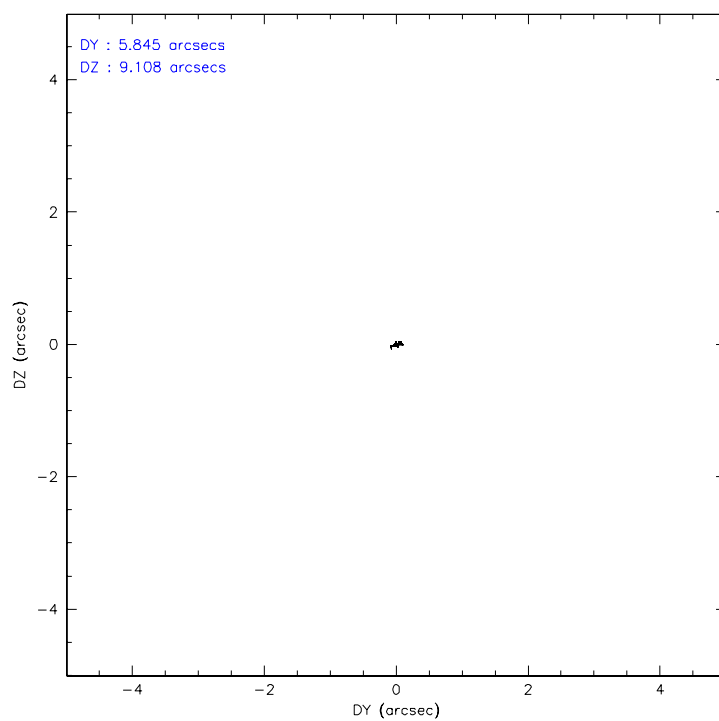
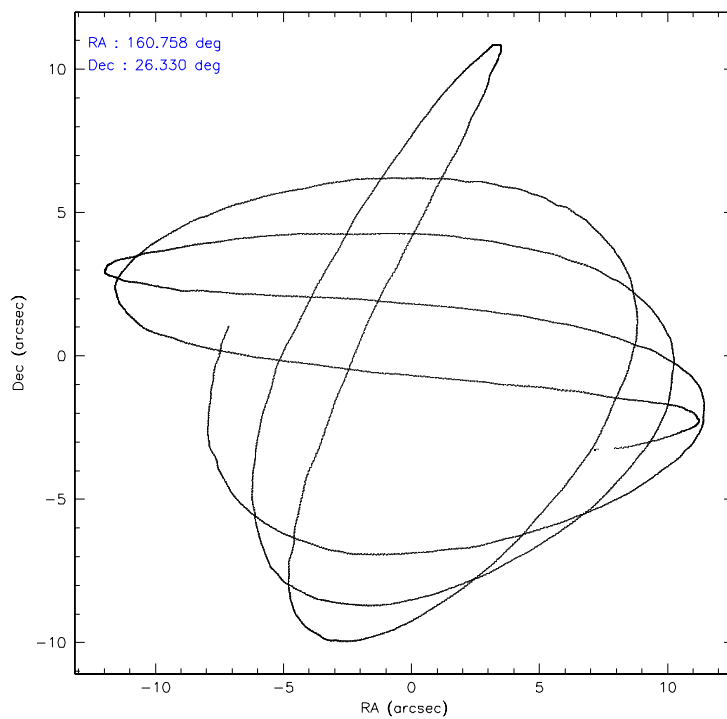
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	18043	21826	20532	19971	21829	28565
rejected events	15536	19044	18092	17443	19161	17651
rejected %	86%	87%	88%	87%	87%	61%

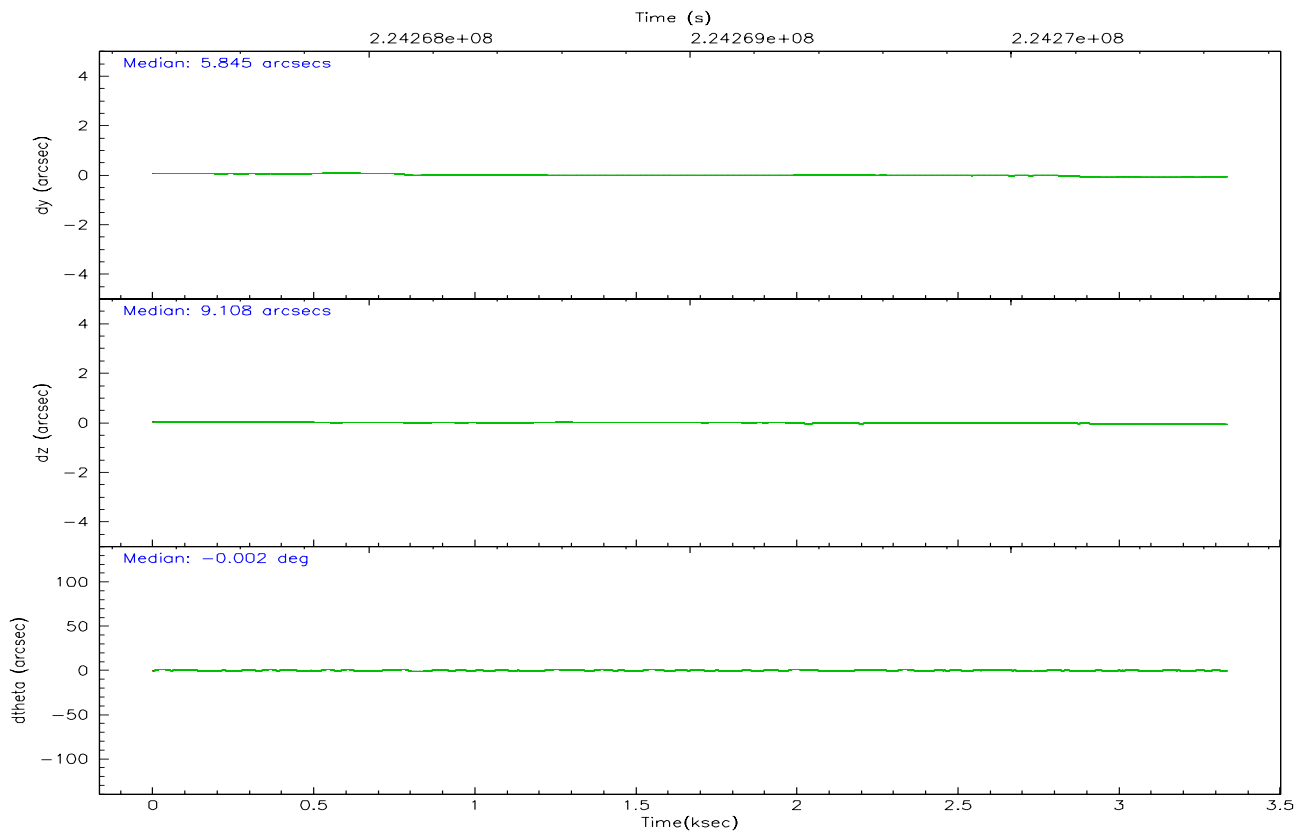
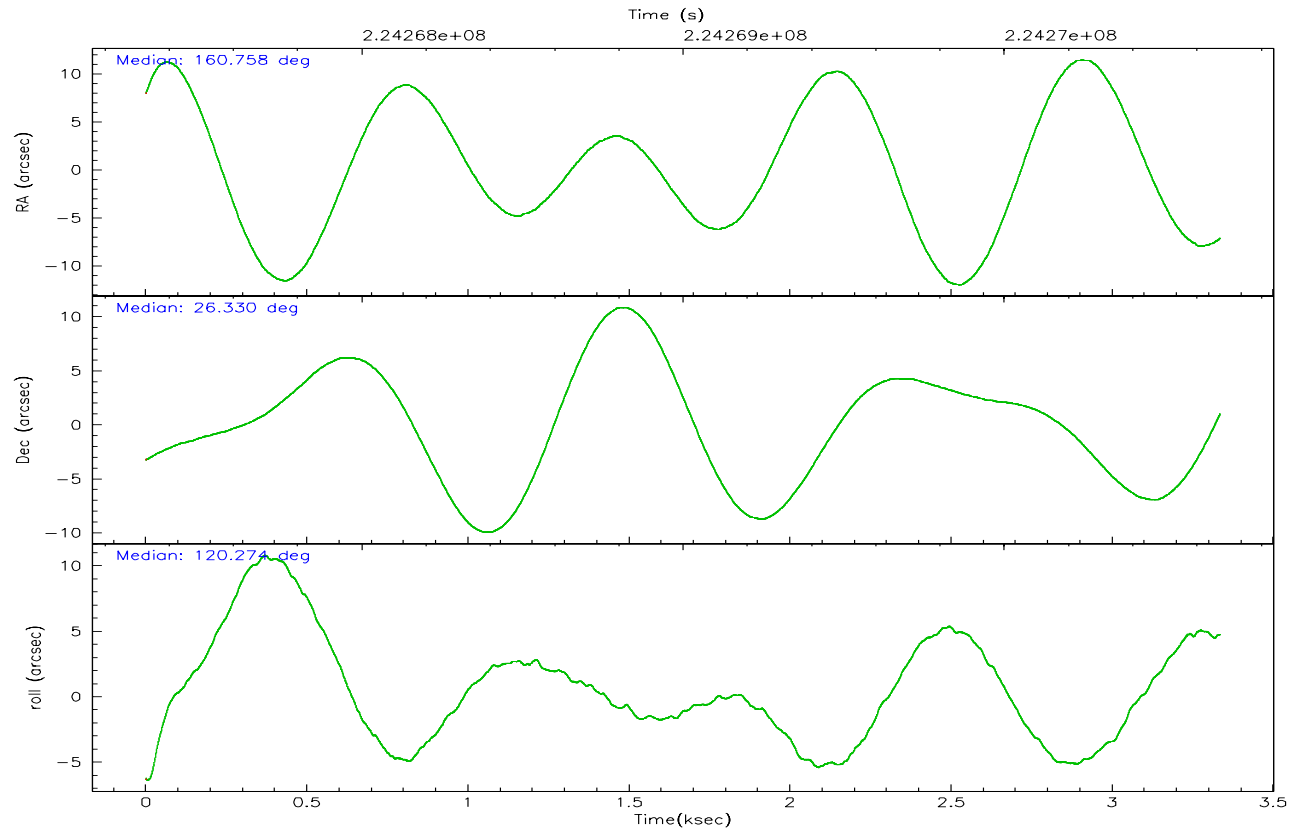
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1056	1095	1079	1143	1019	604
	5%	5%	5%	5%	4%	2%
grade 1 events	9	12	15	20	10	13
	0%	0%	0%	0%	0%	0%
grade 2 events	545	605	469	512	602	2607
	3%	2%	2%	2%	2%	9%
grade 3 events	245	254	244	240	247	521
	1%	1%	1%	1%	1%	1%
grade 4 events	230	284	239	239	235	498
	1%	1%	1%	1%	1%	1%
grade 5 events	793	925	824	952	994	1849
	4%	4%	4%	4%	4%	6%
grade 6 events	437	551	415	399	569	6711
	2%	2%	2%	1%	2%	23%
grade 7 events	14728	18100	17247	16466	18153	15762
	81%	82%	84%	82%	83%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	160.784270	160.7576681681353	Alternating exposures requested	N	N
Pointing Dec	26.316668	26.33003699479242	Primary exposure time	0.000000	3.2
Pointing Roll	120.055290	120.2757574375943			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	224267664.184000	224266626.71285			
Observation start date	2005-02-08T16:33:20	2005-02-08T16:17:06			
Observation end time	224270664.184000	224271263.81306			
Observation end date	2005-02-08T17:23:20	2005-02-08T17:34:23			
Read mode	TIMED	TIMED			

## 2.3 Aspect





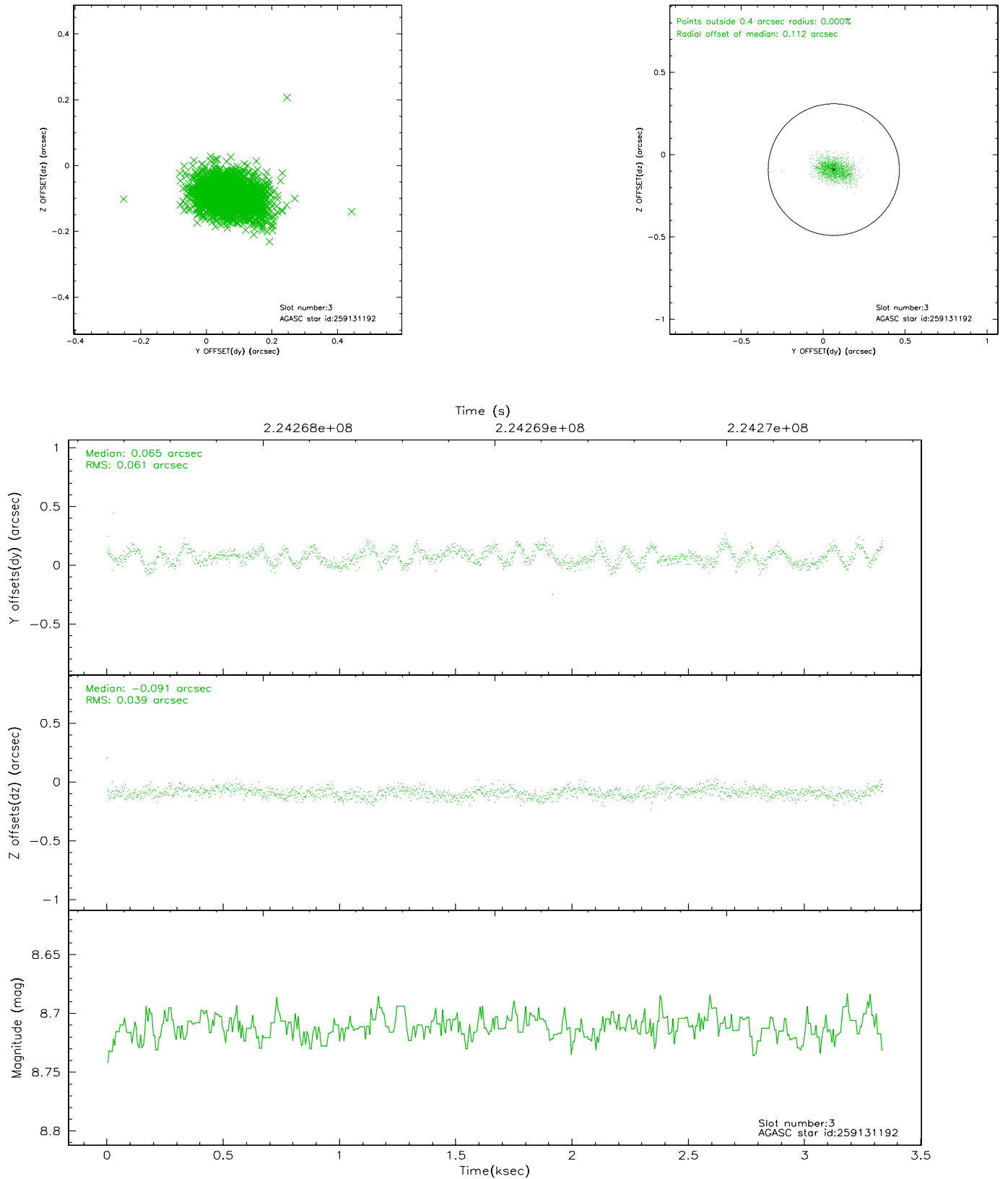
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	814	-0.020	0.073	0.005	0.009	0.000000	0.000000	933.85	-832.48
1	FID	ACIS-I-5	7.23	814	-0.121	0.021	0.005	0.009	0.000000	0.000000	-1813.31	1064.00
2	FID	ACIS-I-6	7.25	814	0.050	-0.024	0.006	0.010	0.000000	0.000000	397.39	1710.62
3	GUIDE	259131192	8.71	1627	0.065	-0.091	0.075	0.123	160.476309	25.672299	-1506.12	2025.89
4	GUIDE	259131568	8.90	1625	0.075	0.005	0.066	0.106	160.852498	25.766747	-1824.28	801.67
5	GUIDE	259145904	9.16	1628	0.018	0.154	0.076	0.119	161.627895	26.024766	-2269.61	-1839.65
6	GUIDE	259129496	8.34	1628	-0.065	-0.144	0.079	0.129	160.011760	26.206571	911.75	2353.37
7	GUIDE	259395704	8.14	1627	-0.087	0.078	0.058	0.094	159.920084	26.636145	2396.81	1827.89

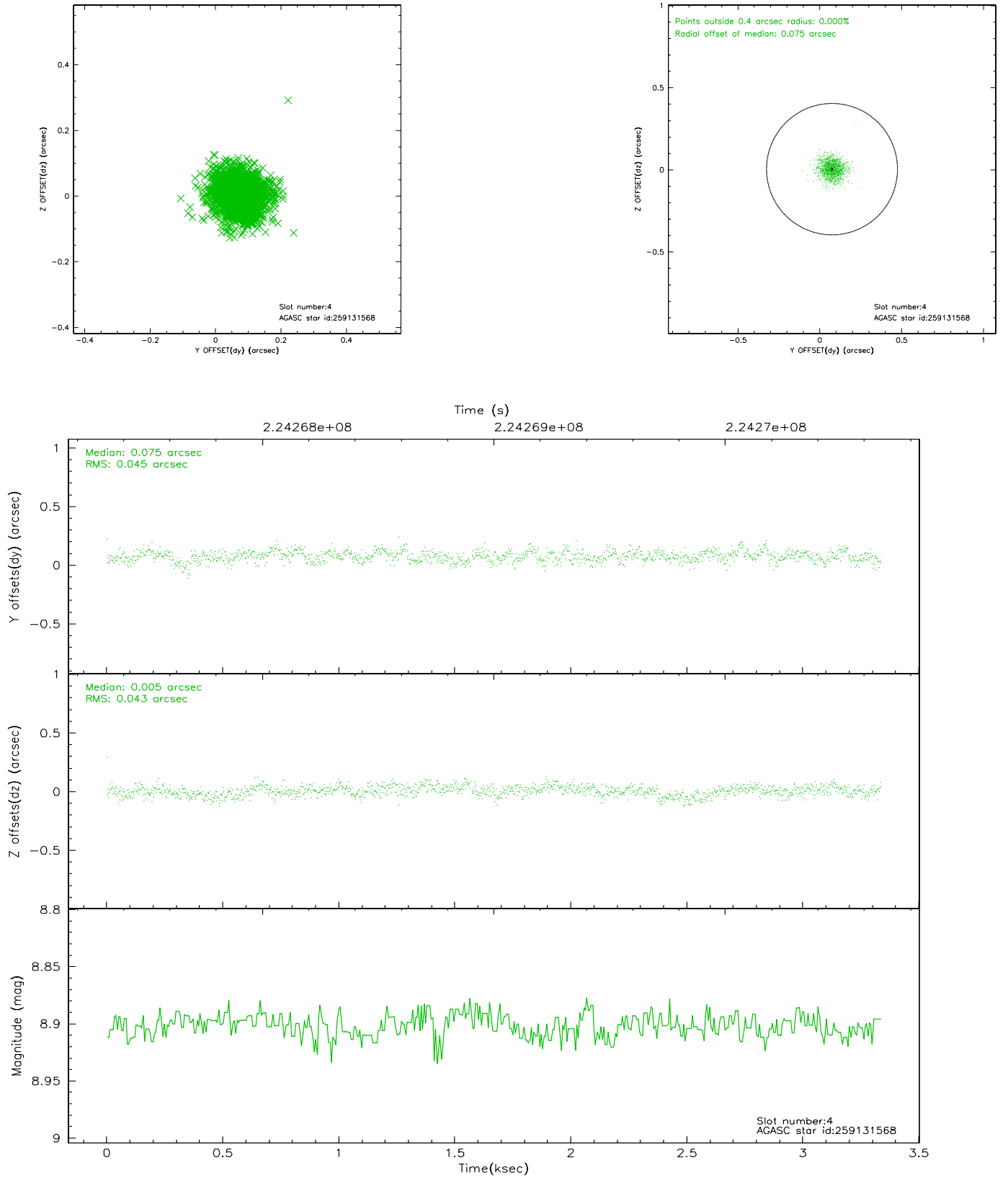


## 2.4 Star Slots

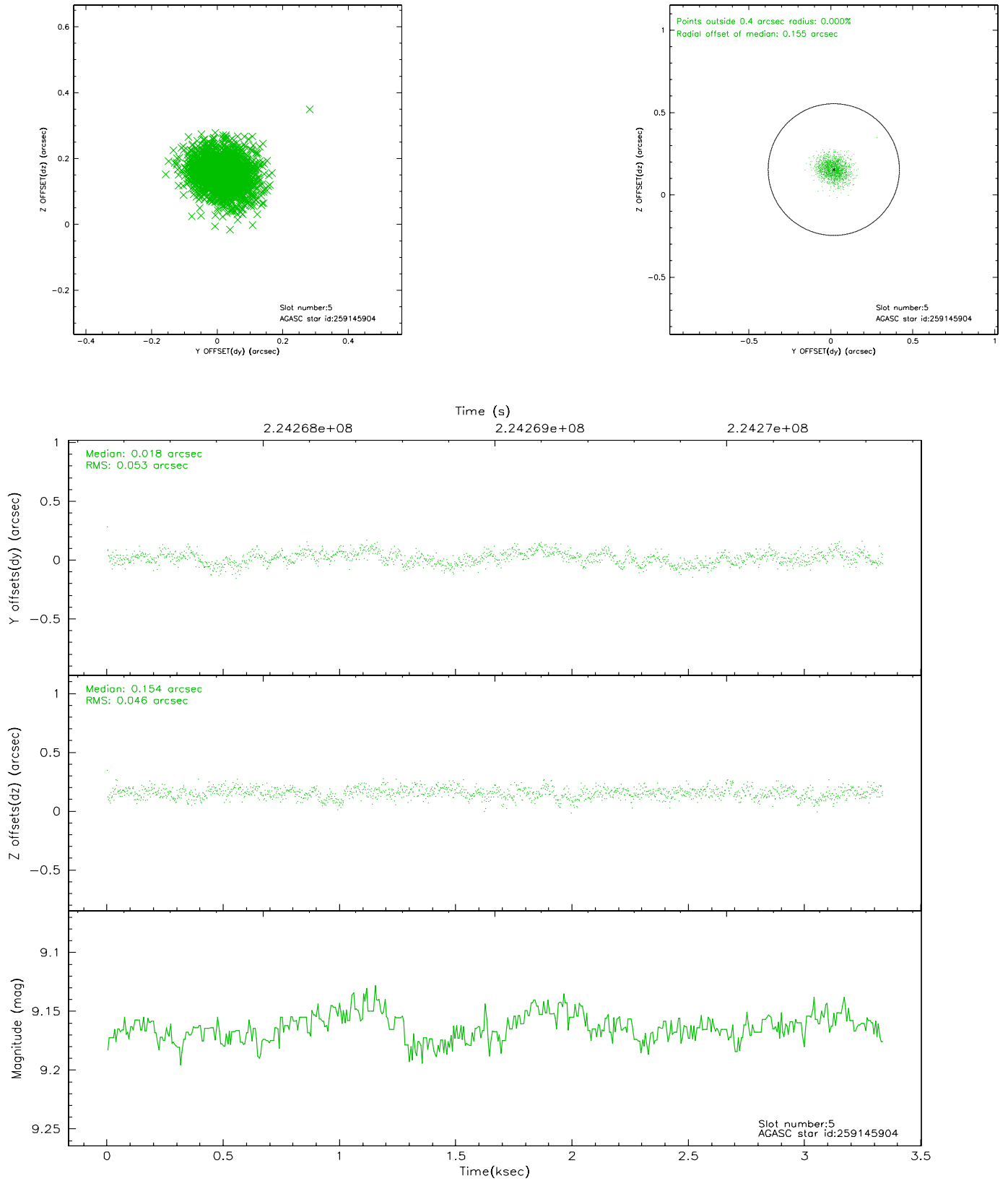
### 2.4.1 Slot 3



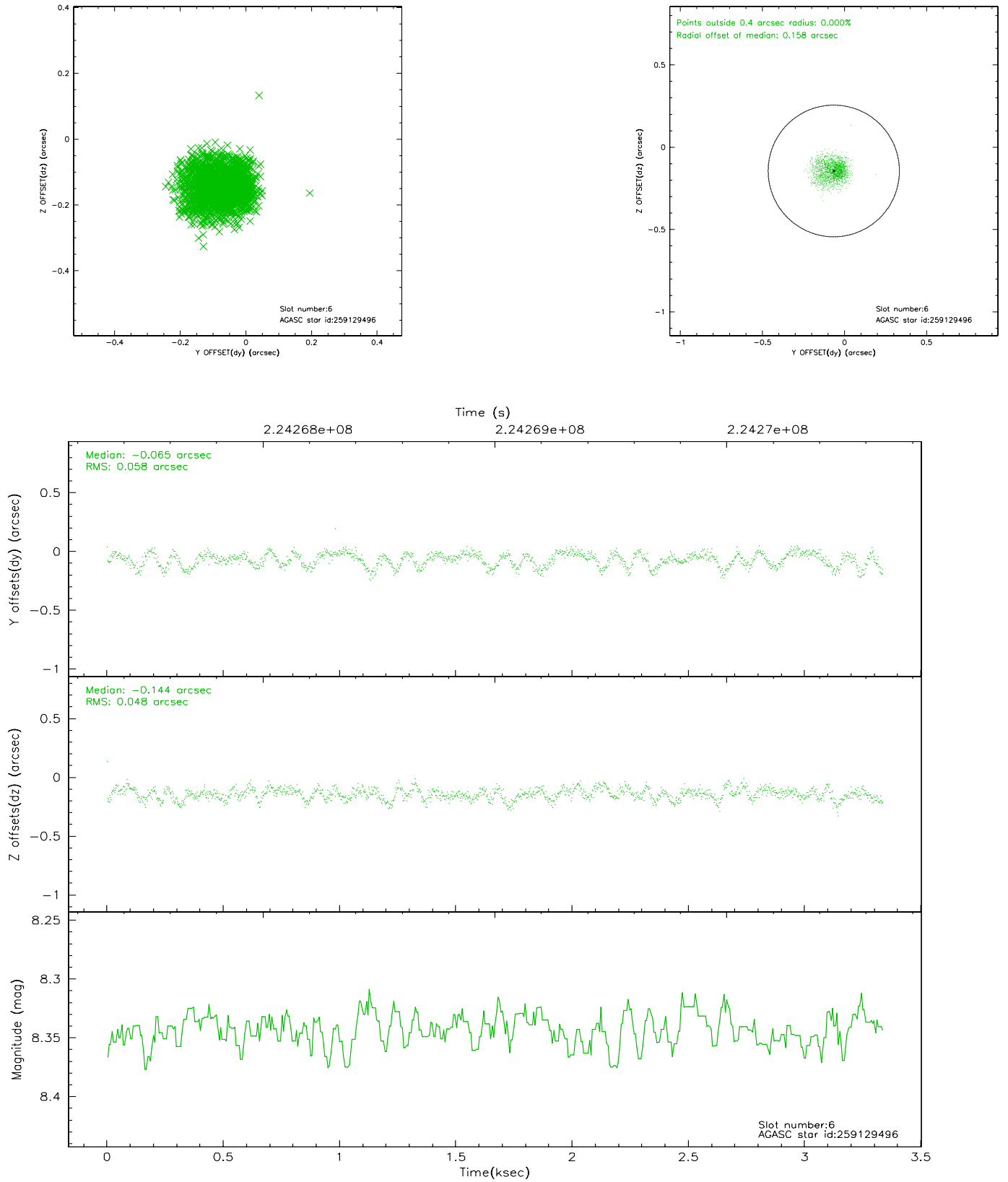
## 2.4.2 Slot 4



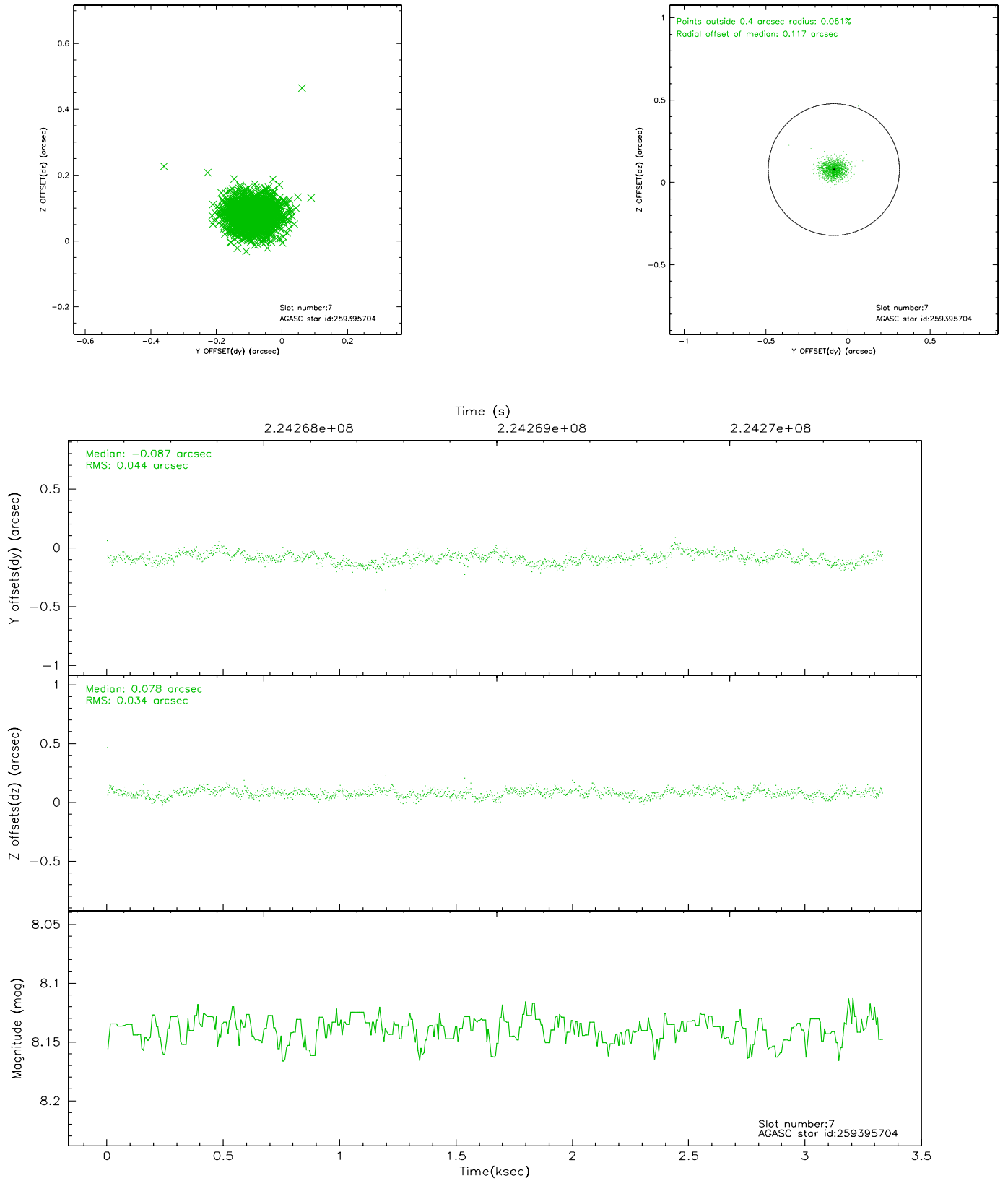
### 2.4.3 Slot 5



## 2.4.4 Slot 6

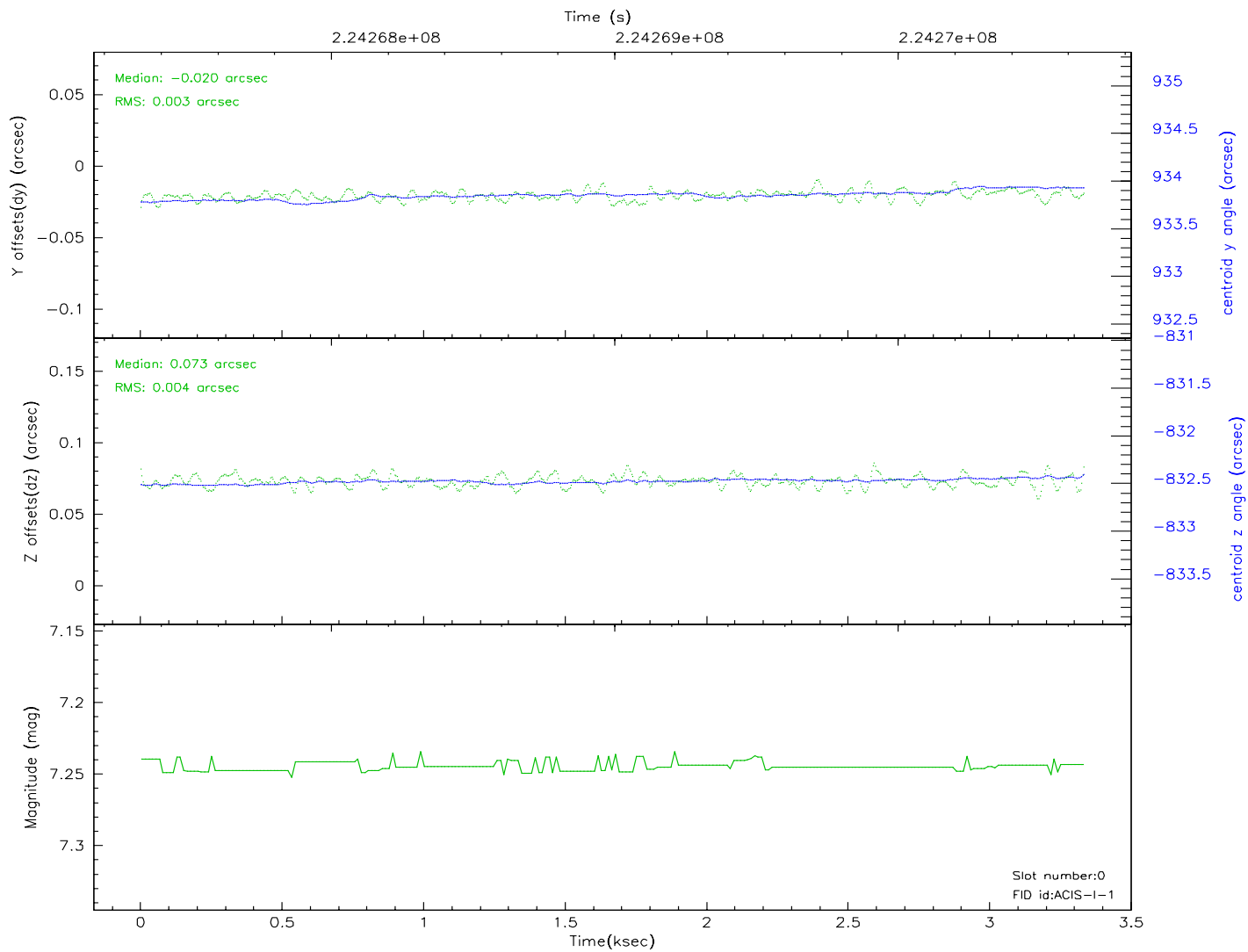
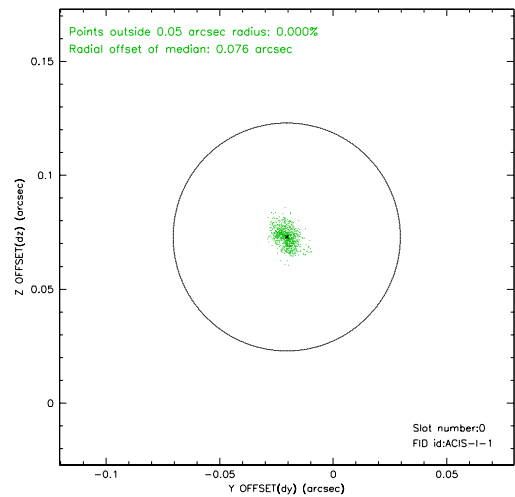
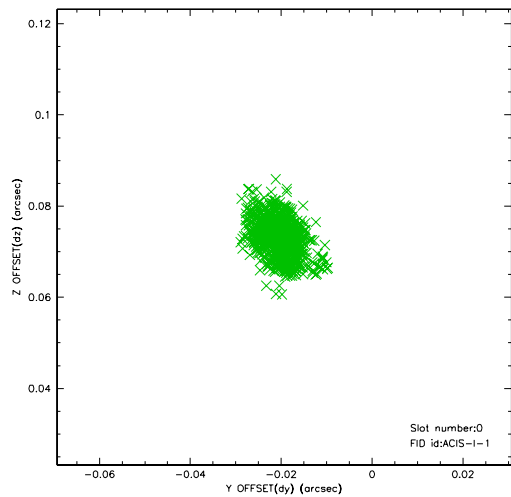


## 2.4.5 Slot 7

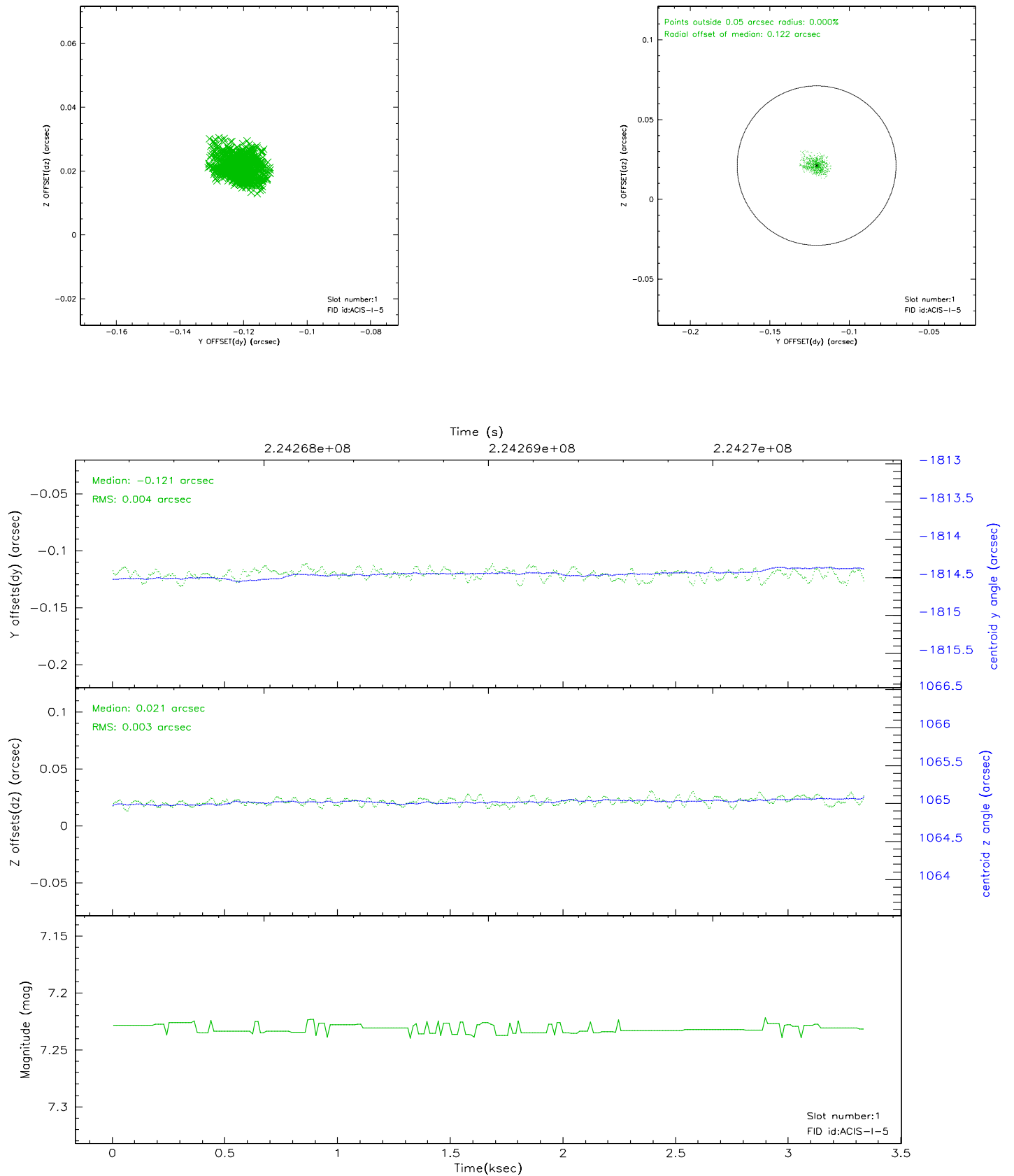


## 2.5 FID Slots

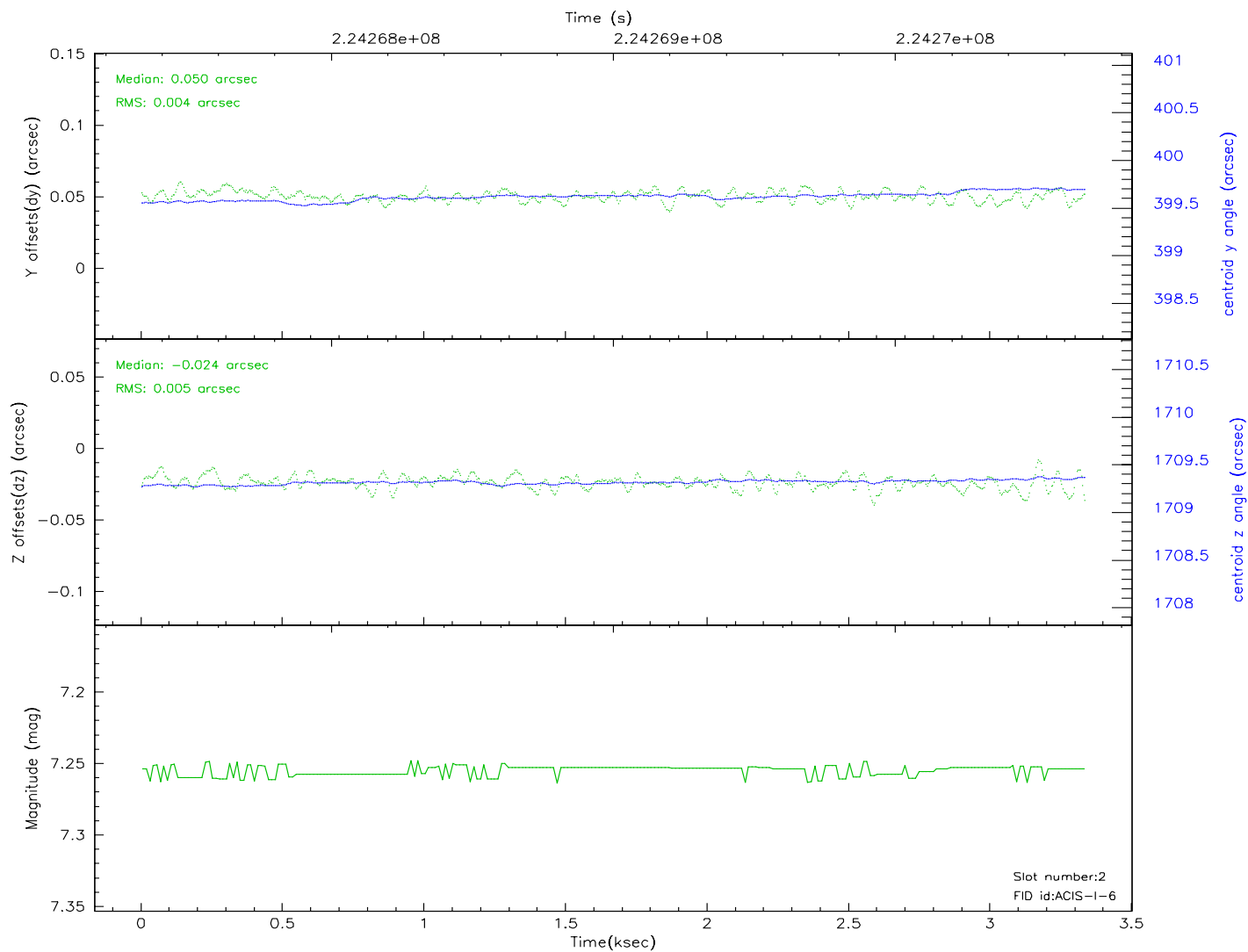
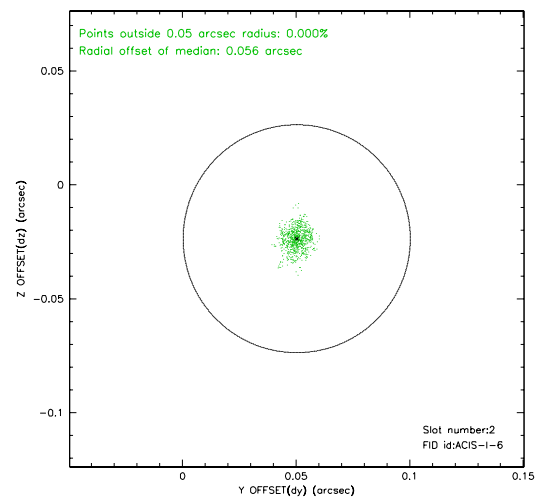
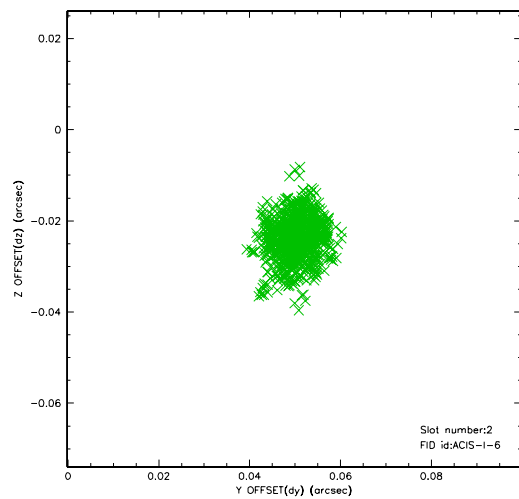
### 2.5.1 Slot 0



## 2.5.2 Slot 1

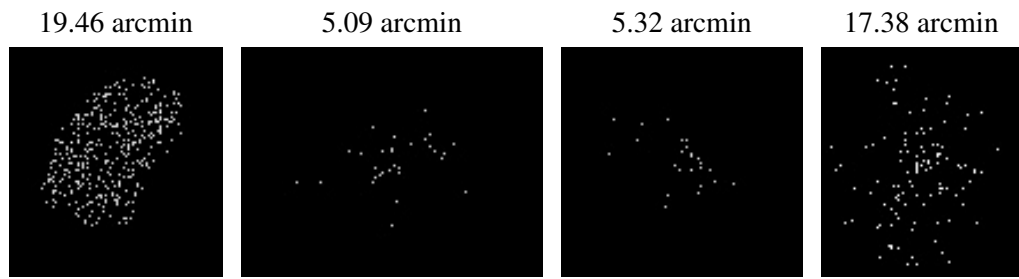


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.959999

### A.2 Comments